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Sequence Listing was accepted.

If you need help call the Patent Electronic Business Center at (866)  
217-9197 (toll free).

Reviewer: Durreshwar Anjum

Timestamp: [year=2007; month=12; day=6; hr=11; min=6; sec=38; ms=833; ]

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Application No: 10500660 Version No: 1.0

Input Set:

Output Set:

Started: 2007-11-16 19:09:58.433  
Finished: 2007-11-16 19:09:58.960  
Elapsed: 0 hr(s) 0 min(s) 0 sec(s) 527 ms  
Total Warnings: 7  
Total Errors: 0  
No. of SeqIDs Defined: 11  
Actual SeqID Count: 11

Error code	Error Description
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# SEQUENCE LISTING

<110> Genencor International, Inc.

<120> OXA1P Enhanced Protein Secretion

<130> GC715-2-PCT

<140> 10500660

<141> 2007-11-16

<150> PCT/US02/39634

<151> 2002-12-12

<150> US 60/348,080

<151> 2002-01-09

<160> 11

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 28

<212> DNA

<213> Artificial Sequence

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<223> primer

<400> 1

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28

<210> 2

<211> 29

<212> DNA

<213> Artificial Sequence

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<223> primer

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 <211> 261  
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 <213> Bacillus subtilis  
  
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 20 25 30  
 Asp Ser Pro His Phe Trp Asp Lys Tyr Val Val Tyr Pro Leu Ser Glu  
 35 40 45  
 Leu Ile Thr Tyr Val Ala Lys Leu Thr Gly Asp Asn Tyr Gly Leu Ser  
 50 55 60

Ile	Ile	Leu	Val	Thr	Ile	Leu	Ile	Arg	Leu	Leu	Ile	Leu	Pro	Leu	Met
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Ile	Lys	Gln	Leu	Arg	Ser	Ser	Lys	Ala	Met	Gln	Ala	Leu	Gln	Pro	Glu
				85					90					95	
Met	Gln	Lys	Leu	Lys	Glu	Lys	Tyr	Ser	Ser	Lys	Asp	Gln	Lys	Thr	Gln
			100					105					110		
Gln	Lys	Leu	Gln	Gln	Glu	Thr	Met	Ala	Leu	Phe	Gln	Lys	His	Gly	Val
		115					120					125			
Asn	Pro	Leu	Ala	Gly	Cys	Phe	Pro	Ile	Leu	Ile	Gln	Met	Pro	Ile	Leu
		130					135					140			
Ile	Gly	Phe	Tyr	His	Ala	Ile	Met	Arg	Thr	Gln	Ala	Ile	Ser	Glu	His
145					150					155					160
Ser	Phe	Leu	Trp	Phe	Asp	Leu	Gly	Glu	Lys	Asp	Pro	Tyr	Tyr	Ile	Leu
				165					170					175	
Pro	Ile	Val	Ala	Gly	Val	Ala	Thr	Phe	Val	Gln	Gln	Lys	Leu	Met	Met
			180					185					190		
Ala	Gly	Asn	Ala	Gln	Gln	Asn	Pro	Gln	Met	Ala	Met	Met	Leu	Trp	Ile
		195					200					205			
Met	Pro	Ile	Met	Ile	Ile	Val	Phe	Ala	Ile	Asn	Phe	Pro	Ala	Ala	Leu
		210					215				220				
Ser	Leu	Tyr	Trp	Val	Val	Gly	Asn	Leu	Phe	Met	Ile	Ala	Gln	Thr	Phe
225					230					235					240
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<211> 275

<212> PRT

<213> Bacillus subtilis

<400> 9

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Gly	Leu	Ser	Asn	Val	Gly	Phe	Phe	His	Asp	Tyr	Leu	Ile	Glu	Pro	Phe
		35				40						45			
Ser	Ala	Leu	Leu	Lys	Gly	Val	Ala	Gly	Leu	Phe	His	Gly	Glu	Tyr	Gly
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Leu	Phe	Val	Asn	Gln	Phe	Lys	Lys	Gln	Arg	Ile	Phe	Gln	Glu	Lys	Met
			85						90					95	
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			100					105					110		
Thr	Lys	Asp	Pro	Glu	Lys	Gln	Lys	Glu	Leu	Gln	Met	Glu	Met	Met	Lys
		115					120					125			
Leu	Tyr	Gln	Glu	His	Asn	Ile	Asn	Pro	Leu	Ala	Met	Gly	Cys	Leu	Pro
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Met	Leu	Ile	Gln	Ser	Pro	Ile	Met	Ile	Gly	Leu	Tyr	Tyr	Ala	Ile	Arg
145					150					155					160
Ser	Thr	Pro	Glu	Ile	Ala	Ser	His	Ser	Phe	Leu	Trp	Phe	Ser	Leu	Gly
				165					170					175	
Gln	Ser	Asp	Ile	Leu	Met	Ser	Leu	Ser	Ala	Gly	Ile	Met	Tyr	Phe	Val
		180							185				190		

Gln Ala Tyr Ile Ala Gln Lys Leu Ser Ala Lys Tyr Ser Ala Val Pro  
 195 200 205  
 Gln Asn Pro Ala Ala Gln Gln Ser Ala Lys Leu Met Val Phe Ile Phe  
 210 215 220  
 Pro Val Met Met Thr Ile Phe Ser Leu Asn Val Pro Ala Ala Leu Pro  
 225 230 235 240  
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 260 265 270  
 Ser Val Lys  
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 <211> 177  
 <212> PRT  
 <213> Escherichia coli

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 35 40 45  
 Gln Arg Ile Ser Gln Glu Met Met Ala Leu Tyr Lys Ala Glu Lys Val  
 50 55 60  
 Asn Pro Leu Gly Gly Cys Phe Pro Leu Leu Ile Gln Met Pro Ile Phe  
 65 70 75 80  
 Leu Ala Leu Tyr Tyr Met Leu Met Gly Ser Val Glu Leu Arg Gln Ala  
 85 90 95  
 Pro Phe Ala Leu Trp Ile His Asp Leu Ser Ala Gln Asp Pro Tyr Tyr  
 100 105 110  
 Ile Leu Pro Ile Leu Met Gly Val Thr Met Phe Phe Ile Gln Lys Met  
 115 120 125  
 Ser Pro Thr Thr Val Thr Asp Pro Met Gln Gln Lys Ile Met Thr Phe  
 130 135 140  
 Met Pro Val Ile Phe Thr Val Phe Phe Leu Trp Glu Pro Ser Gly Leu  
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 165 170 175  
 Leu

<210> 11  
 <211> 188  
 <212> PRT  
 <213> Saccharomyces cerevisiae

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 Ile Lys Pro Glu Leu Asp Ala Leu Asn Asn Lys Leu Met Ser Thr Thr  
 35 40 45  
 Asp Leu Gln Gln Gly Gln Leu Val Ala Met Gln Arg Lys Lys Leu Leu

50						55						60					
Ser	Ser	His	Gly	Ile	Lys	Asn	Arg	Trp	Leu	Ala	Ala	Pro	Met	Leu	Gln		
65					70				75					80			
Ile	Pro	Ile	Ala	Leu	Gly	Phe	Phe	Asn	Ala	Leu	Arg	His	Met	Ala	Asn		
				85				90					95				
Tyr	Pro	Val	Asp	Gly	Phe	Ala	Asn	Gln	Gly	Val	Ala	Trp	Phe	Thr	Asp		
			100					105					110				
Leu	Thr	Gln	Ala	Asp	Pro	Tyr	Leu	Gly	Leu	Gln	Val	Ile	Thr	Ala	Ala		
		115					120						125				
Val	Phe	Ile	Ser	Phe	Thr	Arg	Leu	Gly	Gly	Glu	Thr	Gly	Ala	Gln	Gln		
		130				135						140					
Phe	Ser	Ser	Pro	Met	Lys	Arg	Leu	Phe	Thr	Ile	Leu	Pro	Ile	Ile	Ser		
145					150					155				160			
Ile	Pro	Ala	Thr	Met	Asn	Leu	Ser	Ser	Ala	Val	Val	Leu	Tyr	Phe	Ala		
				165					170					175			
Phe	Asn	Gly	Ala	Phe	Ser	Val	Leu	Gln	Thr	Met	Ile						
		180					185										